

ECS Configuration Change Request

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Page(s)

1. Originator Derrick Clark	2. Log Date: 09/16/03	3. CCR #: 03-0635	4. Rev: —	5. Tel: 301-925-1024	6. Rm #: 3010B	7. Dept. DEPL
8. CCR Title: TE_6A.08_DPL.01						
9. Originator Signature/Date Derrick Clark /s/ 09/15/03			10. Class II	11. Type: CCR	12. Need Date: 15Sep03	
13. Office Manager Signature/Date Janine Smith /s/ 09/15/03			14. Category of Change: Other		15. Priority: (If "Emergency" fill in Block 27). Emergency	
16. Documentation/Drawings Impacted (Review and submit checklist):			17. Schedule Impact:		18. CI(s) Affected: DPL	
19. Release Affected by this Change: 6A		20. Date due to Customer: 15Sep03		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: NCRs 38265						
23. Problem: (use additional Sheets if necessary) ECSed38265 - DPIU runs out of memory while populating the spatial facts table.						
24. Proposed Solution: (use additional sheets if necessary) Deliver TE_6A.08_DPL.01 to GSFC only.						
25. Alternate Solution: (use additional sheets if necessary) Wait until next DPL delivery.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Will not be able to service UARS data types.						
27. Justification for Emergency (If Block 15 is "Emergency"): Will not be able to service UARS data types.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): Mary S. Armstrong /s/ 09/16/03			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. M&O CCB Chair (Sign/Date): Pamela Johnson /s/ 09/15/03			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

ADDITIONAL SHEET

CCR #: 03-0635 **Rev:** — **Originator:** Derrick Clark

Telephone: 301-925-1024 **Office:** 3010B

Title of Change: TE_6A.08_DPL.01

Actions

ClearCase

Please create the following tar file from the 6A08EBF1 baseline.

Please make on SOL8 tar file with the following package:

.EcDI.pkg

This is to deliver a fix for NCR(s)

ECSEd38265 OPS_DPool 2 T GSFC DAAC Add option to turn off spatial fact population

Patch/TE Dependencies

TE must be installed on top of:

6A_08

Patch_6A.08_SYSTEM.01

DAAC Install Instructions:

PRE-INSTALLATION

1. Copy the *sun* tar file into the <staging_area>/SOL8/ directory
2. Using the setup.ksh file untar the 6A.08_DPL.01 tar file in the <staging_area>/SOL8/ directory

INSTALLATION:

1. Logon to the host where the EcDI package installed (xxdpsnn)
2. Using Ecs Assist's Subsystem Manager install the EcDI Package.

CONFIGURATION:

Added new configuration parameter "USE_SPATIALWAREHOUSE" for EcDIInsertUtility.

The default value for USE_SPATIALWAREHOUSE is "N", (Default for GSFC)
indicating population of the DIFactSpatial table will cease.

To turn on population of the DIFactSpatial table during Data Pool inserts, set USE_SPATIALWAREHOUSE to "Y". Setting USE_SPATIALWAREHOUSE to "Y" indicates the DIFactSpatial table will continue to be populated when granules are inserted in the Data Pool.

Run Mkcfg for the EcDIInsertUtility to pick up this new parameter.

Using Ecs Assist's Subsystem Manager,:

1. Double click on "EcDIDataPoolApp". (A list of executables are displayed)
2. Click on "EcDIInsertUtility"
3. Click the "Configuration " button. (You will see the new configuration parameter USE_SPATIALWAREHOUSE)

4. Click "Ok" to generate new config file.

DATABASE:

Truncating the DIFactSpatial table

The USE_SPATIALWAREHOUSE configuration parameter is set to "N", no further rows will be written to the DIFactSpatial table in your mode.

You may also wish to truncate the DIFactSpatial table AFTER setting USE_SPATIALWAREHOUSE to "N".

This will delete all existing spatial facts, and reclaim the space currently allocated to the DIFactSpatial table, making it available for other usage in the Data Pool database.

(Note that the space remains allocated to the Data Pool database).

To truncate the table, the DBA should:

- 1) issue the 'truncate table DIFactSpatial' command via isql.*
- 2) dump the database.*

* Time needed to truncate and dump database should be 10 minutes or less.

POST INSTALLATION:

None